

A2 4. (amended) A containment vessel in accordance with Claim 1 wherein said containment cavity comprises a containment cavity volume, said containment cavity volume less than 4 times the volume of the reactor vessel.

A3 10. (amended) A containment vessel in accordance with Claim 1 wherein said cylindrical sidewall comprises a thickness, said thickness comprising:  
at least about 15 centimeters; and  
not more than about 30 centimeters.

A4 14. (amended) A reactor in accordance with Claim 11 wherein said containment cavity comprises a containment cavity volume, said containment cavity volume less than 4 times the volume of said reactor pressure vessel.

A5 20. (amended) A reactor in accordance with Claim 11 wherein said containment vessel bottom head and said containment vessel sidewall are forged and machined into a substantially complete one piece unit at a location remote from said reactor.

21. (amended) A reactor in accordance with Claim 11 wherein said containment vessel cylindrical sidewall comprises a thickness, said thickness comprising:  
at least about 15 centimeters; and  
not more than about 30 centimeters.

Remarks

The Office Action dated August 8, 2002 has been carefully reviewed and the foregoing amendment has been made in consequence thereof.